

IN THE CLAIMS

Please amend claims 1, 9, 17, and 25 as follows:

1. (Currently Amended) A wireless local area network system, comprising:

a network address translation (NAT) router coupled to a public network ~~adapted~~ operable to assign a private address to a mobile wireless device and to assign a global address for communications to the public network, the private address being independent of the public network; and

a plurality of access points in communication with the NAT router, each access point of the plurality of access points being ~~adapted~~ operable to provide wireless communications with the mobile wireless device,

wherein a group of access points of the plurality of access points forms a multicast group which is dynamically updated to include access points available for interfacing with the mobile wireless device, the mobile wireless device communicates with at least ~~[[one]]~~ two access points of the plurality of access points at a time, data for the mobile wireless device is broadcast to each access point of the multicast group, and recently-received data is buffered in ~~at least one~~ each access point of the plurality of access points adjacent to the at least ~~[[one]]~~ two access points currently in communication with the mobile wireless device.
2. (Original) The system according to claim 1, further including a server to receive data from and transmit data to the plurality of access points.
3. (Original) The system according to claim 1, further including a plurality of routers, wherein a router is associated with each one of the plurality of access points to route data therebetween.
4. (Original) The system according to claim 1, wherein the private address is a private

Internet Protocol (IP) address.

5. (Original) The system according to claim 1, wherein the global address is a global Internet Protocol (IP) address.

6. (Previously Presented) The system according to claim 1, wherein each access point of the plurality of access points utilizes Direct Sequence Spread Spectrum (DSSS).

7. (Previously Presented) The system according to claim 1, wherein each access point of the plurality of access points utilizes Frequency Hopping Spread Spectrum (FHSS).

8. (Previously Presented) The system according to claim 1, wherein the public network is the Internet.

9. (Currently Amended) A wireless local area network system, comprising:

a mobile wireless device;

a network address translation (NAT) router coupled to a public network to assign a private address to the mobile wireless device and to assign a global address for communications to the public network, the private address being independent of the public network;

a plurality of access points in communication with the NAT router, each access point of the plurality of access points being ~~adapted~~ operable to provide wireless communications with the mobile wireless device,

wherein a group of access points of the plurality of access points forms a multicast group which is dynamically updated to include access points available for interfacing with the mobile wireless device, the mobile wireless device communicates with at least ~~[[one]]~~ two access points of the plurality of access points at a time, data for the mobile wireless device is broadcast to each access point of the multicast group, and recently-received data is buffered in ~~at least one~~ each access point of the plurality of access points adjacent to the at least ~~[[one]]~~ two access points

currently in communication with the mobile wireless device.

10. (Original) The system according to claim 9, further including a server to receive data from and transmit data to the plurality of access points.

11. (Original) The system according to claim 9, further including a plurality of routers, wherein a router is associated to each one of the plurality of access points to route data therebetween.

12. (Original) The system according to claim 9, wherein the private address is a private Internet Protocol (IP) address.

13. (Original) The system according to claim 9, wherein the global address is a global Internet Protocol (IP) address.

14. (Previously Presented) The system according to claim 9, wherein each access point of the plurality of access points utilizes Direct Sequence Spread Spectrum (DSSS).

15. (Previously Presented) The system according to claim 9, wherein each access point of the plurality of access points utilizes Frequency Hopping Spread Spectrum (FHSS).

16. (Original) The system according to claim 9, wherein the public network is an Internet.

17. (Currently Amended) A method of wireless local area network communication, comprising:

assigning a private address to a mobile wireless device;

communicating with at least ~~[[one]]~~ two access points of a plurality of access points at a time;

broadcasting data for the mobile wireless device to each access point of a multicast group, wherein the multicast group includes a group of access points of the plurality of access points which is dynamically updated to include access points available for interfacing with the

mobile wireless device; and

buffering recently-received data in ~~at least one~~ each access point of the plurality of access points adjacent to the at least ~~[[one]]~~ two access points currently in communication with the mobile wireless device.

18. (Original) The method according to claim 17, further including receiving data and transmitting data to the plurality of access points.

19. (Original) The method according to claim 17, wherein the private address is a private Internet Protocol (IP) address.

20. (Original) The method according to claim 17, further including assigning a global address for communications to a public network.

21. (Original) The method of claim 20, wherein the public network is an Internet.

22. (Original) The method of claim 20, wherein the global address is a global Internet Protocol (IP) address.

23. (Previously Presented) The method according to claim 17, wherein each access point of the plurality of access points utilizes Direct Sequence Spread Spectrum (DSSS).

24. (Previously Presented) The method according to claim 17, wherein each access point of the plurality of access points utilizes Frequency Hopping Spread Spectrum (FHSS).

25. (Currently Amended) An access point for wireless local area network communication with a mobile wireless device, comprising:

a machine-readable storage medium; and

machine-readable program code, stored on the machine-readable storage medium,

having instructions to

transmit a private address to the mobile wireless device assigned by a network

address translation (NAT) router,

communicate wirelessly with the mobile wireless device, wherein the

mobile wireless device communicates with at least ~~[[one]]~~ two access points of a

plurality of access points at a time, and data for the mobile wireless device is

broadcast to each access point of a multicast group, wherein the multicast group

includes a group of access points of the plurality of access points which is

dynamically updated to include access points available for interfacing with the

mobile wireless device, and

buffer recently-received data in each access point of the plurality of access points

adjacent to the at least two access points ~~if the access point is adjacent to the at least one~~

~~of the plurality of access points~~ currently in communication with the mobile wireless

device.

26. (Original) The access point according to claim 25, wherein the machine-readable program code further includes instructions to receive data from and transmit data to a server.

27. (Original) The access point according to claim 25, wherein the private address is a private Internet Protocol (IP) address.

28. (Original) The access point according to claim 25, wherein the access point utilizes Direct Sequence Spread Spectrum (DSSS).

29. (Original) The access point according to claim 25, wherein the access point utilizes Frequency Hopping Spread Spectrum (FHSS).

///

///

///